

ACTIVITY 2. TETRA PAK

In 1943, the Åkerlund & Rausing lab started to work on developing the milk carton package and in 1944, Erik Wallenberg, a young lab assistant was head of the research lab, he has the novel idea of constructing a tetrahedron shaped package from a tube of paper. The idea was simple but efficient, making optimal use of the material involved. After some initial hesitation, Rausing understood the potential of the package and patented it on 27 March 1944. The rest of the 1940s were spent developing viable packaging materials and solving the technical questions of filling, sealing and distribution.

He has the idea of continuously sealing the packages of milk while filling the tube in the manner of stuffing sausages. This is a way to avoid oxygen from entering the package. In 1946 a model for a packaging machine was presented by engineer Harry Järund. And in collaboration with Swedish paper mills and foreign chemical companies a viable paper for packaging was finally produced. When coating carton paper with polythene, making the paper water-proof and allowing for heat-sealing during filling.

1. Write down the dimensions of tetra brick: long, wide and high.

2. Write down its capacity and its weight by the information from the cover.

3. Calculate the volume and its weight according to the above measures.

4. What conclusion do you get?

